

S/120/63/000/001/009/072  
E140/E135

AUTHOR: Döhler, H.

TITLE: Electronic attachment for multichannel analyzer  
AI-100-1 (AI 100-1)

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1963, 46-52

TEXT: The article gives the block diagrams, circuits and output oscillograms of an electronic attachment to a multichannel analyzer satisfying the following conditions:

The analyzer should register only impulses arriving within an externally defined time interval;

In partial spectra, the range should be limited from above and below;

The impulse detected from the scintillation counter is transformed into a 2  $\mu$ s rectangular pulse (because of the characteristics of the AI 100-1);

The range of the AI 100-1 can be divided into groups of 50 channels each, to permit registration from two separate detectors;

The range of time analysis should be adjustable between 28 sec and 2 hours, with automatic stop.

Card 1/2

Electronic attachment for ...

S/120/63/000/001/009/072  
E140/E135

There are 7 figures.

ASSOCIATION: Tsentral'nyy institut yadernoy fiziki, Rossendorf,  
Dresden (GDR), otdel tekhniki reaktorov i fiziki  
neytronov  
(Central Institute for Nuclear Physics, Rossendorf,  
Dresden, GDR, Department of Reactor Engineering and  
Neutron Physics)

SUBMITTED: March 15, 1962

Card 2/2

DOHNAL, B.; KOHLMUNZER, S.

Changes in the ethereal oil content of pine leaves and needles depending on the conditions of extracting and storing the raw material. p. 102.

(PRZEMYSŁ SPOŻYWCZY. Vol. 11, No. 4, Apr. 1957, Warszawa, Poland.)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

COUNTRY : POLAND H  
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Leather. Gelatine. Tanning Materials.\*  
ABS. JOUR. : RZhKhim., No 17, 1959, No. 63236  
AUTHOR : Kohlmunzer, S.; Dohnal, B.  
INSTITUTE : -  
TITLE : Content of Tanning Substances in the Root of Rhizoma Tormentillae as a Function of Harvesting \*\*  
ORIG. PUB. : Przem. spozywczy, 1958, 12, No 10-12, 420-422

ABSTRACT : Studies were conducted on the determination of tannides in the roots of the above plant, unearthed at different seasons of the year. These roots were dried at 50° until their water content was approx. 10%. Extraction of tanning substances was conducted in accordance with two different methods. The tannide concentration in the roots was from 14 to 31%, on the average about 20%. The highest tannide content was in the month of June.

\*\*Conditions for Raw Material.

\*Industrial Proteins.

Card:

1/2

H

COUNTRY :  
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 63236

AUTHOR :  
INSTITUTE :  
TITLE :

ORIG. PUB. :

ABSTRACT : The drying of roots should be conducted at 50° for  
Con'd their better preservation. Extended storage (> 2  
years) leads to tannide losses. Presented are con-  
siderations of economics of the roots' utilization  
for the production of tanning substances.  
-- M. Geskin.

Card: 2/2

H - 172

CZECHOSLOVAKIA/Farm Animals - Silkworms.

0-6

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83479

Author : Dohnal, Frant

Inst : -

Title : Effects of Density Among Caterpillars of Mulberry Silk-  
worms Upon Silkyields of Cocoons.

Orig Pub : Chovatel, 1956, No 6, 94.

Abstract : After they completed developing to age V, caterpillars of mulberry silkworms were raised and fed under the same conditions, but in varied numbers per 1 m<sup>2</sup> (500, 750, and 1,000 caterpillars). It was established that the higher the density among caterpillars, the smaller the cocoon size and silk yields. The quantity of silk collected from 750 caterpillars upon 1 m<sup>2</sup> of space was 1 1/2 times smaller, and from 1,000 caterpillars per 1 m<sup>2</sup> 2 times smaller than from 500 caterpillars per 1 m<sup>2</sup>. -- M.P.  
Umanov

Card 1/1

DOHNAL, F.

"Handbook on patents" by K. Syrový and E. Müller. Reviewed by F. Dohnal.  
Jemma mech opt 5 no.5:168 My '60.

DOHNAL, K.

Organization of speedy fattening of young bulls.

p. 27  
Vol. 10, no. 5, May 1956  
ROLNICKE HLASY  
Praha

SO: Monthly List of East European Accessions (REAL), LC, Vol. 5, no. 12  
December 1956

L 31442-66

ACC NR: AP6023190

SOURCE CODE: CZ/0082/65/028/005/0362/0367

AUTHOR: Dohnal, K.; Sumbera, J.; Zahradka, J.

ORG: Neurology Clinic/headed by Prof.-Dr. Karel Popok, Faculty of Medicine, UJEvP, Brno (Neurologická klinika lékařské fakulty UJEvP); Second Pediatric Clinic/headed by Prof.-Dr. M. Toman, Candidate of Sciences/, Faculty of Medicine, UJEvP, Brno (II detská klinika lékařské fakulty UJEvP)

TITLE: Paroxysmal losses of consciousness and convulsions in congenital heart defects

SOURCE: Ceskoslovenska neurologie, v. 28, no. 5, 1965, 362-367

TOPIC TAGS: cardiovascular system disease, nervous system disease, hypoxia, biologic reproduction, man

ABSTRACT: Study of 424 children with congenital cardiovascular anomalies: 62 of these had episodes of convulsions or unconsciousness, including 49 out of the 201 patients who had cyanosis due to the cardiovascular anomaly. Oxymetric studies indicated that hypoxia did bring about the syncope but the degree and frequency of attacks showed no correlation with the degree of hypoxia. Orig. art. has: 2 figures and 2 tables. [Based on Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001  
OTH REF: 017

CZECHOSLOVAKIA

DOHNAL, K.; HROMADKOVA, L.; NOSOVA, T.; RIEBEL, O.; Neurological Clinic (Neurologicka Klinika) Chief (Prednosta) Prof Dr K. POPEK, and Ophthalmological Clinic (Ocni Klinika) Chief (Prednosta) Prof Dr J. VANYSEK, Medical Faculty J.E. Purkyne University (Lekarske Fakulty UJEP), Brno.

"Importance of Complex Examination for the Diagnosis of Ocular Myositis."

Prague, Ceskoslovenska Neurologie, Vol 30, No 1, Jan 67, pp 30 - 35

Abstract [Authors' English summary modified]: Where isolated weakness of the oculomotor muscles not due to nervous lesion exists, it is probably due to ocular myositis. The diagnosis of ocular myositis must be based on progressing weakness of the muscles, histological examination of the oculomotor muscles, on the myogenic reaction shown in EMG examination, and on the favorable influence of steroid treatment. Differentiation between various types of polymyositis is described. 35 Western, 3 Czech, 1 USSR reference. (Manuscript received 25 May 65).

DOHNAL, K.; SUMBERA, J.; ZAHRADKA, J.

Paroxysmal states of unconsciousness and cramps in congenital heart defects. Cesk. neurol. 28 no.5:362-367 S '65.

I. Neurologická klinika (prednosta prof. dr. Karel Popek) a  
II. detska klinika (prednosta prof. dr. M. Toman CSc.) lekarske  
fakulty University J.E. Purkyne v Brne.

ORIGINAL, 1

1. The word "high quality" refers to the quality of the

information which is being provided to the

public. It is not a measure of the accuracy of the

DOHNAL, L.

DOHNAL, L. Microflora of the barley plant, p. 220  
Stockholm agreement on barley and malt analysis. (to be cond) p. 222

Vol 2, no. 10, Oct. 1956  
KVASNÝ PRUMYSL  
TECHNOLOGY  
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

DOHNAL, I.

Allocation of zones for malting barley, p. 161.

KVASNY PRUMYSL. (Ministerstvo potravinarskeho prumyslu) Praha, Czechoslovakia.  
Vol. 5, no. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959  
Uncl.

DOHNAL, L.

Publications of the State Publishing House of Technical Literature. Kvasny prum 10 no. 6:140-141 Je '64.

DOHNAL, M.

CA

Reactions of 1,3-dichloro-2-butane. I.  $\beta$ -Chlorocrotonic and tetrolic acids. Miroslav Dohnal and Miloš Hudlický (Tech. Univ., Prague, Czech.). *Chem. Listy* 43, 452-3 (1961).— $\text{MeCCl:CHCH}_2\text{OH}$  (I) (80.3 g.), obtained by alk. hydrolysis of  $\text{MeCCl:CHMe}$ , was oxidized with 164 g.  $\text{CrO}_3$  in 1470 ml.  $\text{H}_2\text{O}$  below  $10^\circ$  during 5 hrs.; ether extn. yielded 17.3 g. (53.3%)  $\beta$ -chloro-2-butenoic acid (II), b.p.  $40-41^\circ$ . A better yield was obtained by oxidizing 10.6 g. I with 14.7 g.  $\text{CrO}_3$  in 95 g.  $\text{Me}_2\text{CO}$  and 85 ml.  $\text{H}_2\text{O}$  contg. 27 g.  $\text{H}_2\text{SO}_4$  at  $-8^\circ$  to  $8^\circ$ ; ether extn. yielded 5.7 g. 85% II, a yellowish liquid of crotonaldehyde-like odor, b.p.  $37-40^\circ$ ,  $n_D^{20}$  1.473 [tricarbanone, m.  $162-3^\circ$  (from EtOH)]. II gave 8.3%  $\beta$ -chloro-2-butenoic acid (*trans*- $\beta$ -chlorocrotonic acid), m.  $92-40^\circ$ , on autooxidation, 13% with  $\text{Ag}_2\text{O}$ , 17.3% or catalytically with air and  $(\text{AcO})_2\text{Mn}$ .  $\text{MeC:CCl:OH}$  (prepd. from I by alk. dehydrohalogenation in 60% yield) (20 g.) oxidized in  $\text{Me}_2\text{CO}$  with chromic mixt. at  $6^\circ$  gave 8.6 g. (35.8%) tetrolic acid, m.  $78^\circ$ , obtained by ether extn. M. Hudlický.

DOHNAL, M

CZECH

7 2846. Paper chromatography of chlortetracycline (aureomycin). M. Dohnal and J. Blahá (*Chem. Listy*, 1954, 48 (8), 1261-1262).--Descending chromatography on Whatman paper No. 1 or 4 is a convenient and rapid method for the qual. and quant. determination of chlortetracycline in 1 to 3- $\mu$ g samples from the various stages of its manufacture, including a direct determination of the antibiotic in the fermentation liquors. In the recommended solvent system, *n*-butanol (4 parts), acetic acid (1 part) and water (5 parts), the  $R_f$  value of chlortetracycline is 0.38. The zones are detected by their yellow fluorescence in u.v. light, or, quantitatively, by bio-autography. G. GLASER

DOHNAL, MILAN

Preparing sparingly soluble salts of chlortetracycline with amines. Milan Dohnal, Miroslav Vondráček, and Jitka Vondráčková. *Czech. Chem.* 85,161, Dec. 1, 1955. To 5 l. filtered fermentation medium contg. 300 units/ml. chlortetracycline (I) is added 10 g. silica and under vigorous stirring concd. aq. soln. of 3 g. laurylbenzyltrimethylammonium chloride. After adjusting pH to 7.5 with N NaOH the ppt. is filtered and prepd. for the subsequent conversion to a sol. salt of I. L. J. Urbánek

Dohnal - M<sub>2</sub>

Extraction of tetracycline antibiotics. Jiř Doskočil and Milan Dohnal. Czech. 85,339, Dec. 1, 1955. Extn. of chlortetracycline (I) or oxytetracycline with Bu acetate (II) is considerably improved by the presence of  $10^{-4}$  mole of Mg (usually from corn-steep liquor) and 1-3% detergent of the type RCONHCH<sub>2</sub>CH<sub>2</sub>NXPh, wherein R is an aliphatic chain with 10-30 C-atoms and X is a halogen. Fermentation liquid (200 l.) contg. 540  $\gamma$  l/ml. was acidified with 2 kg. oxalic acid and filtered with the aid of 4 kg. silica. To the filtrate is added 400 g. 2-pyridiniumethylauramide, halide dissolved in hot water, and 20 l. II. The pH is adjusted with const. stirring to 8.0. After standing 1 hr. the clear lower layer is sepd. and rejected. The remainder (38 l.) is centrifuged, and 18 l. of the rich II is extd. with 3 + 2 + 1 l. water. The combined exts. are adjusted with 5% H<sub>2</sub>SO<sub>4</sub> to pH 3.0-3.5 and treated with 2 l. satd. aq. soln. of NaCl. The sepd. cryst. I-HCl weighed 89 g. and assayed 945  $\gamma$ /mg. L. J. Urbánek.

M<sub>2</sub> 2

DOLMAL, M.

Aureomykoln, Czechoslovakian brand of chlortetracycline. M. Dolmal, J. Doskočil, M. Herold, O. Smahel, and V. Vlček (Výzkumný Ústav Antibiotik, Roztoky, Czech.). *Casopis Lékařů Českých* 94, 1393-6(1959).— Description of chem. properties, dosage forms, side effects, and clinical tests. The pharmacology of Czechoslovakian Aureomykoln. Vojtěch Sošek, Zdeněk Lojda, Rudolf Lukes, and Jiří Jelinek (Charles Univ., Prague). *Ibid.* 1396-1404.

*Dolmal*

7

7 Purification of crude penicillin: Milan Dobna, Vladimir  
Toscani, Milan, Yugoslavia

Dohnal, Milan

✓ Extracting tetracycline antibiotics. Jlt. Doskočil and Milan Dohnal. Czech. 85,597, Mar. 15, 1956. The addn. of 1-6% detergent considerably improves the extn. To 200 l. filtered fermentation medium of *Streptomyces aureofaciens* contg. 800  $\gamma$ /ml. was added 500 g. Neokal or 600 g. Synergit, and the mixt. was extd. at pH 3.5 with AcOEt in horizontal extractors. The ext. (40 l.) was shaken with 8 l. satd. aq. soln. of  $\text{Na}_2\text{B}_4\text{O}_7$  under the continuous addn. of 2% soln. of NaOH to pH 9.2. The aq. ext. was pptd. with a soln. of 200 g.  $\text{MgSO}_4$  in 1 l.  $\text{H}_2\text{O}$ , and the pptd. Mg salt of oxytetracycline (I) was washed, dried *in vacuo*, dissolved in 2 l. 3% MeOH soln. of HCl, and evapd. to 500 ml. to give, on cooling to  $-10^\circ$ , 125 g. cryst. I-HCl which assayed 937  $\gamma$ /mg. L. I. Urbánek

21  
Mee

DOHNAL, M.; VICEK, V.

Production of Czechoslovak tetracycline. Rev. Czech. M. 4 no.1:40 1958.

1. Antibiotics Research Institute, Rostoky near Prague, Director: Doc.  
Ing. M. Herold.

(TETRACYCLINE, prep.  
prod. of Czech. tetracycline)

SKACH, M.; MICHNEVICOVA, A.; DOHNAL, M.; VICEK, V.

Local antibiotic therapy with tetracyclines in stomatology. Cas. lek. cesk. 98 no.6:179-182 6 Feb 59.

I. II. stomatologicka klinika KU v Praze, prednosta doc. dr. F. Urban.  
Vyskumny ustav antibiotik Roztoky, prednosta doc. dr. M. Herold. M. S.,  
Praha 2, U nemocnice 1.

(MOUTH, dis.

ther., local tetracycline (Cz))

(TETRACYCLINE, ther. use

mouth dis., local admin. (Cz))

DOHNAL, T.

"Some Information on Hungarian Viticulture." p. 980 (ZA SOCIALISTICKE ZEMEDELSTVI,  
Vol. 3, No. 9, Sept. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,  
April 1954. Unclassified.

CZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53848

Author : Dohnal Tomas

Inst : ~~-----~~

Title : Determination of the Grape Varieties with the Aid of  
Ampelographic Signs.

Orig Pub : Vinarstvi, 1956, 49, No 7, 107-108

Abstract : This article points out the absolute need of accurate  
characteristics of the peculiarities of the leaves,  
blossoms, clusters, berries, and biological peculiari-  
ties - in ampelographic descriptions. -- T.V. Golubt-  
sova

Card 1/1

DOHNAL, T.

"Selection of the trunks and improving the yield of grapevine seedlings."

p. 206 (Vestnik, Vol. 5, no. 4, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) IC, Vol. 7, no. 9,  
September 1958

DOHNAL, Tomas

Forty-five years of the Research Station of Viticulture in  
Karlstějn. Vest ust zemedel 12 no.3:144 '65.

DOHNAL, V.

Unification of health institutions. Zdravot.rev. 25 no.4:85-87  
20 Apr '50. (CMLL 19:2)

DOHNAL, V.

Privatin in orthopedics. Acta chir. orthop. traum cech. 19 no. 10:  
369-373 1952. (CIML 23:5)

1. Of the Orthopedic Department (Head--V. Dohnal, M. D.) of KUNZ  
in Usti/L.

DOHNAL, Vitezslav, Dr.

Treatment of intraarticular fractures of the knee. Acta chir.  
orthop. traum. cech. 22 no.5:196-199 Sept 55.

1. Z orthopedickeho oddeleni Krajskeho ustavu narodniho zdravi  
u Usti n. L. Prednosta: Primar MUDr. Vitezslav Dohnal.

(KNEE, fractures  
intraarticular, surg.)

(FRACTURES  
knee, intraarticular, surg.)

DOHNAL, Vitezslav, MUDr.

Post-graduate studies in the Regional Institute of Public Health  
in Usti nad Labem. Cesk. zdravot. 5 no.4:208-209 Apr 57.

1. Reditel krajskeho ustavu narodniho zdravi.  
(PUBLIC HEALTH, education,  
post-graduate studies in Czech. (Cz))

DOHNAL, VITĚZSLAV

DOHNAL, Vitezslav, MUDr.

Towards a combined hospital in the District Public Health Institute  
at Usti nad Labem. Cesk. zdravot. 5 no.9:514-517 Sept 57.

1. Zastupujicf reditel krajskeho ustavu narodniho zdravi v Usti  
nad Labem.

(NATIONAL HEALTH PROGRAMS

District Pub. Health Institute at Usti nad Labem, reorganiz.  
into combined hosp. (Cz))

DOHNAL, Vitezslav

Development of care in congenital hip dislocation in Usti n. L.  
Acta chir. orthop. traum. cech. 27 no.1:39-43 F '60

1. Ortopedické oddelení Krajského ústavu národního zdraví v Usti  
n. L., přednosta primar MUDr. Vitezslav Dohnal  
(HIP fract. & disloc.)

LANE, V.; DOHNAL, V.

Ectopia of the vaginal mucosa. Neoplasma 8 no.4:433-437 '61.

1. Gynakologische Abteilung des Betriebskrankenhauses der Lenin-  
Werke; Gynakologische Abteilung der I. stadt. Poliklinik,  
Plzen (Pilsen), Tscheslovakei.  
(VAGINA abnorm.)

DOHNAL, V.; NETALOVA, V.

Preliminary communication on the study on orthopedic defects in young workers. Acta chir. orthop. trauma. Cech. 29 no.1:37-43 F '62.

1. Ortopedické oddělení KUNZ v Usti n. L., přednosta MUDr. V. Dohnal  
Zdravotnická škola KUNZ v Usti n. L., reditelka V. Tesarova.

(POSTURE) (INDUSTRIAL MEDICINE)

DOHNAL, V.

Use of a muscle flap in orthopedic surgery. Acta chir orthop  
traum cech 30 no. 1:40-46 F '63.

1. Ortopedicke oddeleni KUNZ v Usti n. L., prednosta MUDr. V.  
Dohnal.

(MUSCLE TRANSPLANTATION) (ORTHOPEDECS)

STAFL, A , (Plzen, Capkovo nam. 1); LINHARTOVA, A.: DOHNAL, V.

Colposcopic picture of fielding and its pathogenesis. Cesk. gynek.  
44 no.3:209-210 Ap'65.

1. Gyn.-por. klinika (prednosta: prof. dr. V. Mikolas); Siklův  
ustav patologické anatomie (prednosta: prof. dr. J. Vanek, DrSc.);  
lékarské fakulty Karlovy University v Plzni a gyn.-por. odd.  
Městského ústavu národního zdraví v Plzni (reditel: MUDr.  
M. Sedlak).

BOUDA, J. (Plzeň, Karlova Universita, fakultni nemocnice); DOHNAL, V.

The occurrence of squamous epithelial cervix carcinoma after electrocoagulation of ectopia. Cesk. gynek. 30 no.4:268-271 My'65.

1. Gyn.-por. klinika lekarske fakulty v Karlovy University v Plzni (prednosta: prof. dr. V. Mikolas) a Gyn.-por. oddeleni Mestkeho ustavu narodniho zdravi v Plzni (reditel: MUDr. M. Sedlak).

DOHNAL, V.

Results of the resection of bone tumors and autologous fibular grafts in school children. Acta chir. orthop. traum. Cech. 32 no.5:454-456 0 '65.

1. Ortopedicke oddeleni Krajske nemocnice s poliklinikou v Usti n. L. (vedouci MUDr. V. Dohnal).

DOHNAL, V.

(3)

CZECHOSLOVAKIA

RADEMACHER, R., DVM; CELIKOVSKA, G., Engineer, DVM;  
DOHNAL, V., DVM; JURAK, E., DVM.

Hradec Kralove (for all)

Prague, Veterinarstvi, No 3, 1963, pp 131-134

"A Case of Leukosis of Red Danish Cattle."

**DOHNAL, Vlastimil, Ing. arch.; HAVLICEK, Jaroslav, MUDr**

Work and objectives of the department of hospital building of the university school of architecture and building in Praha, Cesk. nemoc. 22 no.5:122 22 Sept 54.

(HOSPITALS

construction, work of department of architecture & building, Praha)

DOHNAL, Vlastislav

Prevention of cancer of the cervix uteri in ambulatory gynecological departments. Cesk. gynek. 27 no.3:202-207 Ap '62.

1. Gyn. por. odd. MUNZ v Plzni, reditel MUDr. M. Sešlak.

(CERVIX NEOPLASMS prev & control)

DOHNAL, V.; STAFL, A.

Clinical significance of individual types of tissue in the field of examination. *Cesk. gynek.* 29 no.1:53-57 F'64

1. Gyn.-por. odd. MUNZ v Plzni (vedouci: MUDr. M. Sedláč) a Gyn. por. klin. lek. fak. KU v Plzni (prednosta: prof. dr. V. Mikulas).

\*

DOHNAL, VI.

Comparison of colposcopic findings in preinvasive carcinoma and microcarcinoma with cytological findings. Cesk. gynek. 29 no.1: 62-65 F'64.

1. Gyn.-por. odd. MUNŽ v Plzni; vedouci: MUDr. M.Sedlak.

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DOHNAL, Z.

GEOGRAPHY & GEOLOGY

Periodicals: CASOPIS PRO MINERALOGII A GEOLOGII. Vol. 3, no. 2, 1958

DOHNAL, Z. The Soos basin near Frantiskovy Lazne. p. 202.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,  
May 1959, Unclass.

DOHNAL, Zdenek

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Central Institute of Geology (Ustredni ustav geologiccky),  
Prague.

Source: Prague, Vestnik Ustredniho Ustavu Geologickeho, Vol XXXVI,  
No 2, March 1961, pp 149-151.

Data: "On the Genesis of Bohemian Peat-Bogs and Their Hydrolo-  
gical Importance."

DORNAI, Zdenek

Peat deposits at the Bohdaneč Spa. Geol průzkum 6 no.10:  
310-311 0 '64.

83372

9.4210 2101

Z/037/60/000/005/003/056  
E192/E382

AUTHOR: Dohnálek, J.

TITLE: Magnetrons for Continuous Operation in the 12.25 cm  
25 Waveband

PERIODICAL: Československý časopis pro fyziku, 1960,  
No. 5, p. 393

TEXT: The magnetrons types 30SA51 and 60SA51, developed in the laboratories of the Research Institute for Vacuum Electron Technology are described. The first type has an output power of 200 W at a frequency of  $2450 \pm 50$  Mc/s and is used as a source of high-frequency energy for medical equipment and industrial apparatus. The magnetron 60SA51 has an output power of 2 kW and operates at the same frequency; its use in industrial equipment requiring higher powers; in particular, it is employed for dielectric heating. Both magnetrons have metal envelopes and are furnished with internal resonant systems. The design of the resonant system, cathode, magnetic circuit, interaction space and the output facilities of the devices are discussed. A brief description of the

Card 1/2

83372

Z/037/60/000/005/003/056

E192/E382

Magnetrons for Continuous Operation in the 12.25 cm Waveband  
constructional details <sup>is given</sup> and the more important technological  
processes employed during the manufacture of the magnetrons  
are described. The characteristics of the devices are given  
and their practical applications in industry are discussed. X

ASSOCIATION: Výzkumný ústav pro vakuovou elektrotechniku,  
Praha (Research Institute for Vacuum  
Electrotechnology, Prague)

Card 2/2

2

CZECHOSLOVAKIA

EYSSELT, M; DOHNALSK, J.

Chair of Radiology and Nuclear Medicine of the Medical  
Faculty (Katedra radiologie a nuklearni mediciny  
lekarske fakulty UJEP), Brno

Prague, Ceskoslovenska hyziena, No 5, 1963, pp 273-277

"Economic Method of Decontamination of Clothes after  
Contamination with RA<sup>226</sup> and its Disintegration  
Products."

2.

CZECHOSLOVAKIA

KONECNY, K.; DOHNALEK, J.

Chair of Radiology and Nuclear Medicine of the Medical  
Faculty UJLVP (Katedra radiologie a nukleární  
medicíny lékařské fakulty UJLVP), Brno

Prague, Ceskoslovenska hygiena, No 5, 1963, pp 278-283

"Contribution to the Decontamination of Surfaces and  
Objects Contaminated with  $^{226}\text{Ra}$  and its Disintegration  
Products."

43198

Z/039/62/023/012/003/004

E192/E382

20-111  
AUTHORS: Fric, Viktor and Dohnálek, Jarmil

TITLE: Principles of dielectric heating at microwaves

PERIODICAL: Slaboproudý obzor, v. 23, no. 12, 1962, 691 - 697

TEXT: The heating power produced in a dielectric having a permittivity  $\epsilon$  and loss factor  $\tan \delta$ , placed in an electric field

$E$  of frequency  $f$ , is proportional to  $E^2 f \tan \delta$ . The heating of high-loss, high-permittivity materials is thus comparatively efficient, while for materials of low  $\epsilon$  and low  $\tan \delta$  it is necessary to employ high  $E$  or  $f$ ; however, neither  $E$  nor  $f$  can be made very high since high  $E$  can result in breakdowns of the dielectric and high  $f$  can reduce the field penetration depth into the material. Frequencies ranging from 15 Mc/s to microwaves can be used for the purpose of heating but microwaves are advantageous in many applications. Continuously operating magnetrons are particularly suitable as sources of microwave heating energy and 2 special tubes were designed for this purpose at the Research Institute for Vacuum Electrotechnology at Prague. The first magnetron, type 30SA51, operates at  $2575 \pm 50$  Mc/s and gives a  
Card 1/3

Principles of ....

Z/059/62/023/012/005/004  
E192/3582

continuous power of 200 W. Its supply voltage is 11 kV and anode current 0.4 A; the saturation magnetic field is 1150 G. The other magnetron, type 60SA51, also operates at the same frequency and has a coaxial antenna output; its maximum anode voltage is 5.5 kV and current 0.8 A. The magnetic field in the gap is 1150 G and the output of the device is 2 kW; the tube is water-cooled at the rate of 50 - 60 l./h. The resonance system of the device consists of 18 resonators with double coupling straps. The microwave dielectric heating sources of this type can be used for warming-up refrigerated food; a special oven with a waveguide, used for this purpose, is shown. The heaters can also find application in drying grain and other vegetable products, destruction of insects in the grain, pasteurization and sterilization and vulcanization of rubber. A plasma burner operating at 3 500 °C for destroying harmful ingredients in the products of internal-combustion engines can be constructed by using the magnetrons. Human operators have to be suitably protected when operating with microwave heaters. The permissible maximum microwave radiation in the USA is 10 mW/cm<sup>2</sup> while in the Soviet Union it is as low as

X

Card 2/3

Principles of ....

Z/039/62/023/012/003/004  
E192/E382

10  $\mu\text{W}/\text{cm}^2$  unless the operator<sub>2</sub> is in contact with radiation for less than 20 min when 1  $\text{mW}/\text{cm}^2$  is permissible.  
There are 9 figures and 3 tables.

ASSOCIATION: Výzkumný ústav pro vakuovou elektrotechniku, Praha  
(Research Institute for Vacuum Electrotechnology,  
Prague)

SUBMITTED: May 14, 1962

X

Card 3/3

FRIC, Viktor; DOHNALEK, Jarmil; STARY, Zdenek, inz.

Magnetron 60 SA 5l for industrial use. Sbor vak elektrotech  
3:36-5l '61.

1. Vyzkumny ustav pro vakuovou elektrotehniku, Praha.

DOHNALEK, J.

Radioisotopes and their use in medicine; review. Lek. listy,  
Brno 7 no. 14:345-347 15 July 1952. (CLML 22:3)

1. Of the Institute of General and Experimental Pathology (Head  
-- Prof. V. Uher, M. D.) of Masaryk University, Brno.

DOHNÁLEK, J.

Pathophysiology of potassium. J. Dohnálek (Masaryk Univ., Brno, Czech). *Physiol. Bohemoslovaca*, 1965, 11, 1-10. A review on the circulation of K in the human organism. Expts. are described with rats in which states of hypo- and hyperkalemia were brought about by suitably chosen diets. Concomitant symptoms and damage to myocardium, kidneys, and adrenals were followed. L. J. Urbánek /

DOHNÁLEK, J.

Experimental nicotinic acid avitaminosis in the guinea-pig (pellagra). Histamine reactions and anaphylactic shock in guinea-pig pellagra. J. Váskó and J. Dohnálek. *Scripta Med., Fac. Med. Univ. Masaryk. Brno*, 305-38 (1953); *Excerpta Med.*, Sect. II, 7, 478(1954).—Exptl. nicotinic acid avitaminosis was produced in 34 guinea pigs. A detailed comparison of the clinical, post-mortem, histological, and blood findings in this state with human pellagra and with this and other B-avitaminosis in various animals is given. The influence of the seasons is stressed. The first manifestations appear earlier in winter and early spring than in summer and late spring. Histologically the changes in the liver and kidney were mostly degenerative and those in the lungs, myocardium, and intestinal tract were mostly inflammatory. The adrenals showed a marked reduction (but sometimes an increase) of the cortical lipids. In the intestine there was a significant reduction of Kultschitzky's yellow cells. In the experimental animals the histamine reactions were weaker or did not appear at all, but the anaphylactic shock was more pronounced than in the control group.  
R. D. H.

WIEDEKEMANN, Dusan, MUDr.; DOHNALEK, Josef, MUDr.

Diagnosis of paraproteinosis. Vnitr. lek., Brno 1 no.9:693-701  
Sept 55.

1. Z Ustavu pro vseobecnou a experimentalni pathologii lekarske  
fakulty v Brne, prednosta prof. MUDr. et RNDr. V. Uher, Brno.  
Komenskeho nam. 2.

(PROTEINS, metabolism  
disord., paraproteinosis, pathol. & diag.)

(MYELOMA, PLASMA CELL, diagnosis  
electrophoresis.)

(SERUM GLOBULIN  
macroglobulinemia, diag. electrophoresis.)

(ELECTROPHORESIS  
of paraproteins in macroglobulinemia & plasma cell  
myeloma.)

DOHNÁLEK, J.

EXCERPTA MEDICA Sec.10 Vol.11/5 Obstet.&Gynaecol. May 58

832. THERAPEUTIC USE OF RADIOGOLD (AU<sup>198</sup>) FOR POST-OPERATIVE METASTASES FROM THE UTERINE CERVIX - Therapeutické použití radiozlata (Au<sup>198</sup>) u pooperačních metastas ca cervicis uteri - Staníček J. and Dohnálek J. III. Por. Gyn. Odd. Kraj. Klin. Porodnice, Brno; Úst. Exp. Pathol. MU, Brno - CSL. GYNAEK. 1957, 3 (168-171) Illus. 4

Two postoperative recurrences in the iliac lymph nodes were treated intratumorally with a colloidal solution of Au<sup>198</sup>. Administration was by the vaginal route and through the abdominal wall; the dose was in one case 70 mc., in the other 65 mc. In both cases the tumours regressed rapidly, and pain subsided considerably. However, in the tumour extensive necrotic areas developed, the patients became febrile and died in a few weeks. Autopsy revealed in both cases necrotic areas in the tumour area, besides the signs of sepsis. Microscopically, occasional cancer nests were demonstrated. Janisch-Raskovic - Berlin (X, 5, 14, 16)

KLEMENT, M.; DOHNALSK, J.

Certain aspects in the utilization of radioactive chromium isotopes in the determination of blood volume. Cesk. fysiolo. 7 no.4:316-320 July 58.

1. Vyzkumny ustav traumatologicky, Ustav pro experimentalni patologii lekarske fakulty MU, Brno.

(CHROMIUM, radioactive,  
blood volume determ. (Cz))

(BLOOD VOLUME, determ.  
radiochromium technic (Cz))

DOHNÁLEK, Josef; STANICEK, Jaroslav

Testing the stability of colloidal radiogold solutions, Au 198. Cesk. rentg. 12 no.3:154-157 Sept 58.

1. Ustav experimentalni patologie lek fakulty MU v Brne, prednosta prof. MUDr. a RNDr. Vilem Uher III. por,-gyn. odd. fakultni porodnice v Brne, prednosta doc. MUDr. Antonin Cernoch. J. S., Brno-Jiraskova ctvrt, namesti Miru 2.

(GOLD, radioactive

stability of colloidal radiogold solutions, determ. (Cz))

KLEMENT, M.; DEPRAK, R.; DOHNALEK, J.

Certain aspects of the utilization of Cr51 for the determination of circulating blood volume. Cesk. fysiolo. 8 no.6:536-537 N '59

1. Vyzkumny ustav traumatologicky. Transfuznistanice Vojenske nemocnice, Ustav pro experimentalni patologii Lek. fak. MU, Brno.  
(BLOOD VOLUME)  
(CHROMIUM radioactive)

KLEMENTOVA, Vera; DOHNALEK, Josef, PhMr.

Use of Cr51 in the differential diagnosis of hemolytic anemias.  
Part I. Corpuscular hemolytic anemias. Cesk.pediat. 15 no.4:  
296-302 Ap '60.

1. I.detska klinika v Brne, prednosta prof.dr. Z. Brunecky. Radio-  
izotopova laborator lekarske fakulty v Brne, vedouci MUDr. PhMr.  
J. Dohnalek.

(ANEMIA HEMOLYTIC diag.)  
(CHROMIUM radioactive)

KLEMENT, M.; DOHNALEK, J.; KOCOUREK, M.; SPONAR, J.

Contribution to the estimation of the volume of circulating  
blood following injuries. Rozhl. chir. 39 no.1:5-8 Ja '60

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr.  
Vl. Novak Radioisotopove odd. Lekarske fakulty v Brne, vedouci  
MUDr. PhMr. J. Dohnalek.

(BLOOD VOLUME)

(WOUNDS AND INJURIES, blood)

KLEMENT, M.; DOHNALEK, J.; KOCOUREK, M.; SPONAR, J.

Experiences with the prevention of traumatic shock with euprogan.  
Rozhl. chir. 39 no.1:9-13 Ja '60

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vl.  
Novak Traumatologicke odd. KUNZ, Pardubice, prednosta MUDr. Cerny  
Chirurgicke odd. OUNZ, Decin, prednosta MUDr. J. Rousek  
(SHOCK prev & control)  
(ANALGESICS AND ANTIPYRETICS, ther)

DOHNALEK, J.; KLEMENTOVA, V.

Use of radiochromium Cr51 in the diagnosis of hemolytic conditions. II. Extracorporeal type. Cesk. pediat. 18 no.6: 493-499 Je '63.

1. Katedra radiologie a nuklearni mediciny lekarske fakulty UJEP v Brne, vedouci prof. dr. J. Holy, DrSc. I detska klinika lekarske fakulty UJEP v Brne, prednosta prof. dr. Z. Brunecky, CSc.

(CHROMIUM ISOTOPES) (ANEMIA, ERYTHROBLASTIC)  
(GLOMERULONEPHRITIS) (ERYTHROPOIESIS)  
(RICKETS) (HEMOLYSIS) (GLUCOSYLTRANSFERASES)

DOHNALEK, J. KLEMENTOVA, V.

Use of radiochromium Cr51 in the diagnosis of hemolytic states.  
III. Determination of the spleen-liver index. Cesk. pediat. 19  
no.6:504-509 Je'64

1. Katedra radiologie a nukleární medicíny lékařské fakulty  
UJEP [University J.E.Purkyne] v Brně; (vedoucí: prof.dr.J.Holy,  
DrSc.) ; I detská klinika lékařské fakulty UJEP v Brně (pred-  
nosta: prof. dr. Z.Brunecky, CSc.).

DOHNALEK, J.; HRAZDIRA, I.; CECAVA, J.; NEVAK, F.; SVOBODA, J.

Penetration of radioiodine through the skin enhanced by ultrasonics. *Cesk. dermatol.* 40 no.3:173-176 My '65.

I. Katedra radiologie a nuklearni mediciny (ved. : prof. dr. J. Holy, DrSc), katedra lekarske fyziky (vedouci zast. doc. dr. J. Stanek, CSc.), II. stomatologicka klinika (prednosta: prof. dr. J. Svejda) lekarske fakulty University J.E. Purkyne v Brne.

FILIPINSKY, M.; DOHNALEK, J.; EYSELT, M.

Utilization of basic minerals in cariogenic and anticariogenic diet. Cesk. stomat. 65.no.4:244-249 J1 '65.

1. I. stomatologicka katedra (vedouci prof. dr. M. Filipinsky)  
a radiologicka katedra (vedouci prof. dr. J. Holy, DrSc.) lekarske  
fakulty University J.E. Purkyne v Brne.

CZECHOSLOVAKIA

DOHNALEK, J.; EYSSELT, M.; MARTINEK, K.; POLASKOVA, A.

1. Dept. of Radiology and Nuclear Medicine, Faculty of Medicine, Purkyne Univ. (Katedra radiologie a nuklearniho lekarstvi lekarske fakulty UJEP), Brno (for ?); 2. Third Internal Clinic, Faculty Hospital (III vnitřni klinika Fakultni nemocnice), Purkyne Univ., Brno (for ?)

Brno, Vnitřni lekarstvi, No 11, November 1966, pp 1056-1060

"Detoxication of o-iodbenzoic acid-I<sup>131</sup> in some hepatic and renal diseases."

CZECHOSLOVAKIA

DOHNALEK, Josef

KISEKLT, Milan; DOHNALEK, Josef; POLANSKOVA, Anna

Dept. of Radiology and Nuclear Medicine, Medicine, Purkyně Univ.  
(Katedra radiologie a nukleárního lékařství lékařské fakulty University  
JEP), Brno (for all?)

Brno, Vnitřní lékařství, No 1, January 1967, pp 77-84

"Some methodical remarks on routine determination of liver detoxicating  
function using the metabolism of  $\alpha$ -iodobenzene- $^{131}\text{I}$  acid."

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

LIST AND TAB ORDERS      PROCESSES AND PROPERTIES INDEX      AND AND AND ORDERS

CA

Chemical plant construction in Czechoslovakia. R. ~~Ussr~~ *Przemysl Chem.* 6, 110-51 (1981). The methods used in planning and building chem. plants and workers quarters are described. Frank Gancet

13

ALMA-ALA METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

M

3

\*Electron Microscopy of Replicas. R. Dohnálek and S. Veselý (*Čos. Pta. Mat. Fys.*, 1950, 78, D89).—[In Czech]. The replica method is described, and some results obtained on aluminium and steel are given. A comparison is made between three kinds of replicas of pearlite: (1) an ordinary Formvar negative replica, (2) a shadowed Formvar replica, and (3) a metal replica made by evaporating gold at an angle on to a polystyrene intermediate replica. The resulting gold film is strengthened with evaporated chromium and removed by dissolving the polystyrene. The last method gives the best resolution.—A. F. B.

Apr. 1951

M

3

*(* **Electron Microscopy of Surfaces.** R. Dohnálek and S. Veselý (*Strojnický časopis*, 1950, 28, (12), 1-5).—[In Czech]. The preparation and interpretation of oxide replicas from aluminium and of plastic replicas from steel are described. The use of shadow-casting in replica work is discussed.—A. F. B.

Apr. 1951

.CA

Electron microscope in chemistry. Rudolf Dobnák  
and St. Veselý. *Chem. Průmysl* 1 (26), 224 (1951) CA  
review. Jan Míka

DOHNALEK, R.

DOHNALEK, R.; VESELY, S.

"Calculation of vacuum equipment." p. 172. (Magyar Kemikusok Lapja, Vol. 8, no. 6, June 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

DOHNÁLEK, RUDOLF

Czechoslovakia/Processes and Equipment for Chemical Industries - Control and Measuring  
Devices. Automatic  
Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63997

Author: Dohnalek, Rudolf

Institution: None

Title: Contribution to the Theory of Elbow Flow Meter

Original

Periodical: Príspevek k teorii kolenoveho prutokomeru. Chem. prumysl, 1956, 6,  
No 2, 54-61; Czech; Russian and English resumé

Abstract: A more precise method of calculation of an elbow flow meter.

Card 1/1

DOHNALEK, R.

DOHNALEK, R.

Chemical engineering, chemical machinery engineering, and chemical technology.

P. 12 (Chemicky Prumysl) Vol. 7, No. 1, Jan. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

DOHNALFK, R.

Antonin Pilar and Vladimir Pechoc's Zaklady v chemickem inzenyrstvi (Principles of Chemical Engineering.); a book review."

p. 430 (Chemicky Prumysl) Vol. 7 no. 8, Aug. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

~~Dohnalek Rudolf~~, DOHNALEK, R.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and H-8  
Their Application. Elements. Oxides. Mineral Acids.  
Bases. Salts.

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25689

Author : ~~Dohnalek Rudolf~~

Inst : -

Title : Technology Selection and Construction Effectiveness.

Orig Pub : Chem. prumysl, 1957, 7, No 10, 532-535

Abstract : On several examples pertaining to the nitrogen industry,  
the relationship is shown between correct selection of  
technology and construction of plants (for example, for  
the production of  $\text{HNO}_3$ ,  $\text{NH}_3$  etc.) at minimum cost.

Card 1/1

- 16 -

CZECHOSLOVAKIA/Electronics - Vacuum Technique.

H

Abs Jour : Ref Zhur Fizika, No 3, 1959, 13443

Author : Dohnalek, Jarnil

Inst : Research Institute on Vacuum Electronics, Prague,  
Czechoslovakia

Title : Vacuum-Tight Ceramic to Metal Seals

Orig Pub : Slaboproudy obzor, 1958, 19, No 10, 660-666

Abstract : The author cites the requirements that must be satisfied by vacuum-tight seals of ceramic with metal. The possibilities of solving the problems are considered. The most widely used practical methods and conditions of their successful application are described. Certain methods of structural formulation of these seals are given. Bibliography, 29 titles.

Card 1/1

- 115 -

DOHNALEK, Rudolf

Small experimental plants helping the introduction of new techniques.  
Chem prum 12 no.1:17-19 Ja '62.

1. Moravske chemicke zavody, n.p.

DOHNALEK, Rudolf

A new type of horizontal filter made in Czechoslovakia. Chem prum  
12 no.4:197-198 Ap '62.

1. Moravske chemicke zavody.

DOHNALIK, K.

"Pumping deep ground waters." p. 78

(Gaz. Woda I Technika Sanitarna, Vol 27 No 3 Mar 53 Warszawa)

DOHNALIK, K. "Pumping deep ground waters." p. 78 (Gaz. Woda I Technika Sanitarna, Vol 27 No 3 Mar 53 Warszawa)

DOHNALIK, K.

(GAZ, WODA I TECHNIKA SANITARNA, Vol. 27, No. 8, Aug. 1953, Warsaw, Poland)  
"Economy in the exploitation of water pipes." p. 221

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

DOHNALIK, K.

TECHNOLOGY

PERIODICAL: GAZ, WODA I TECHNIKA SANITARNA. Vol. 32, no. 11, Nov. 1958

DOHNALIK, K. Power productivity of sewage-treatment plants as exemplified  
by the plant in Brno. p. 449.

Monthly List of East European Accessions (EMAI) LC Vol. 8, no. 4.

April 1959, unclass.

COUNTRY : Poland H-3  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 5 1960, No. 18161  
AUTHOR : Dohnalik, K.  
INST. : Not given  
TITLE : Technical Progress in the Automation of Water Supply Systems  
ORIG. PUB. : Gaz, Woda i Tech Sanit, 33, No 5, 192-195 (1959)  
ABSTRACT : Brief descriptions and schematic diagrams are given for the following: flow meters, gamma level indicators, instruments for measuring the turbidity of the water, instruments for measuring chlorine concentrations and the concentration of chlorine dioxide and ozone, pH meters, instruments for measuring radioactivity levels, apparatus for the automatic dosage of coagulants, and instruments for the control of filter operations.  
Yu. Skoretzkiy  
CARD: 1/1 204

DOHNALIK, Kazimierz, mgr. ins.

Results of experiments in water ozonization in the city of  
Krakow. Gaz woda tech sanit 36 no.6:211-213 Je '62.

DOHNALIK, Kazimierz, mgr inz. (Krakow)

Problems of pumping station automation. Gaz woda tech sanit  
37 no. 3:107-111 Mr '63.

DOHNALIK, Kazimierz, mgr inz.

Automation of 1st grade pumping stations in water supply plants. Gaz woda techn sanit 37 no.6:174-176 Je '63.

POLAND

BALCZEWSKI, Leszek; DOHNALIK, Tomasz

Institute of Physics, Jagiellonian University  
(Instytut Fizyki Uniwersytetu Jagiellonskiego),  
Crakow (for both)

Crakow, Postępy fizyki, No 5, Sept-Oct 1965, pp 559-78

"Methods used currently to measure the life-span of  
excited atoms."

TAMCHYNA, J.; ZEMANIK, J.; DOHNALOVA, V.

Contribution to the knowledge of boxwood alkaloids and their  
effectivity. Acta r nat Univ Com 3 no.2/3:123-134 '59.

(EEAI 10:5)

(Box) (Alkaloids)

BRAC, F., DOHNANY, L.

Life expectancy in gastric cancer following surgical intervention.  
Bratisl. lek. listy 34 no.3:255-267 Mr '54.

1. Z Chirug. odd. Onkologickeho ustavu v Bratislave, predn. doc.  
dr. V. Bruoth.

(STOMACH, neoplasms,  
\*surg., life expectancy after)  
(LIFE EXPECTANCY,  
\*after surg. of gastric neoplasms)

DOHNANY, Ladislav, MUDr.

Role of a city regional physician in medical care for workers of small industrial plants. Gesk. zdravot. 4 no.6:348-349 June 56.

1. 1. Zast. riad. pre lozkovu cast'2. OBUNZ, Bratislava.

(INDUSTRIAL HYGIENE,

in Czech., role of regional physicians in med. care in small indust. plants. (Cz))

L 1821-66 EWT(1)/EPA(s)-2/T-2/EWP(t)/EWP(b)/EWA(h)/ETC(m)/EPF(n)-2 JD/WW

ACCESSION NR: AP4041828

GE/0018/64/000/006/0272/0273

AUTHOR: Dohnel, S.

TITLE: New units for high vacuum engineering

SOURCE: Feingaratetechnik, no. 6, 1964, 272-273

TOPIC TAGS: high vacuum pump, water cooling, refrigeration, rotary pump, disk pump, diffusion pump

ABSTRACT: The article reports on the design, operation and function of new units for high vacuum engineering and equipment. Magnetic angle valves are  $\leq 1 \cdot 10^{-5}$  Hg l/s airtight to atmospheric pressure in both directions and can be used to accomplish all shutoff tasks. The Evm 50 magnetic angle valve is opened by an a-c control magnet. All Evm type magnetic angle valves as well as the Wvm magnetic forepump valves can be built into any position. The Wvm 50 forepump valve has two functions in rotary high vacuum pumps: they prevent ingress of air into the diffusion pump in the case of current failure and when the forepump is turned off, and then ventilate the forepump when it is at rest. The Wvm 65 forepump valves are used in two-stage rotary disk pumps having a suction rate of 150 m<sup>3</sup>/h, such as the

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Card 1/2

L 1821-66

ACCESSION NR: AP4041828

Model 2 VDL 65/225 of the <sup>4/55</sup> VEB Kompressorwerk (Compressor Factory) at Gera. The DSO - 250 w + tr oil vapor locking device model series for water cooling and refrigeration was developed for technically difficult processes where it is desirable to reduce the oil vapor back flow through refrigeration. The HVAO-6/2000/12 high-vacuum assembly is designed for operation with remote-control high-vacuum installations. All the valves in the assembly are activated magnetically or by motor. Orig. art. has: 3 figures. 6.

ASSOCIATION: VEB Carl Zeiss, Jena <sup>4/55</sup>

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 001

Card 2/2 29

DOHOTARU, C.

Reduction of the thickness of the decarbonized layer on bars from carbon steel and steel alloys; problems of metal saving. p. 106.

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania. Vol. 10, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) <sup>VOL 8</sup> IC, /no. 8, Aug. 1959

Uncl.

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;  
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;  
DAN, F.; IFTIMOVICI, R.; ANASTASIU, I., asistent tehnic; FLOREA, A.,  
asistent tehnic

On the immunity following the antiaphthous vaccination. Studii cerc  
inframicrobiol Special issue-supplement to 12:385-397 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul  
de viroze animale si Institutul de seruri si vaccinuri Pasteur,  
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari  
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (IMMUNITY)